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Article I. Administration

Sec. 16-01. State Regulations Adopted.

- (1) *Adopted by reference.* Chapters [106](#) and [145](#) Wisconsin Statutes; Chapter [SPS 305](#) and Chapters [SPS 381 through 387](#) Wisconsin Administrative Code are adopted and by reference made a part of this chapter with the same force and effect as though set out in full. Failure to comply with any of the provisions of such regulations shall constitute a violation of this chapter, punishable according to the penalties provided in this chapter.
- (2) *To be on file.* A copy of the state plumbing code shall be on file in the offices of the city plumbing inspector and the city clerk.

(Code 1982, §15.01; Ord. No. 998, § 1, 10-27-2003; Ord. No. 1220, § 1, 2-28-2012; Ord. 1431 4/28/20)

Sec. 16-02. Plumbing Defined.

In this chapter, "plumbing" shall have the meaning set forth in § [145.01\(10\) Wis. Stats.](#) and includes:

- (1) All piping, fixtures, appliances, equipment, devices and appurtenances in connection with the water supply, water distribution and drainage systems, including hot water storage tanks, water softeners and water heaters connected with such water and drainage systems and the installation thereof.
- (2) The construction, connection or installation of any drain or waste piping system from the outside or proposed outside foundation walls of any building to the mains or other sewer system terminal within bounds of or beneath an area subject to easement for highway purposes, including private sewer systems and the alteration of any such systems, drains or waste piping.
- (3) The water service piping from the outside or proposed outside foundation walls of any building to the main or other water utility service terminal within bounds of or beneath an area subject to easement for highway purposes and its connections.
- (4) The water pressure systems other than municipal systems as provided in [Chapter 281 Wis. Stats.](#)
- (5) A plumbing and drainage system so designed and vent piping so installed as to keep the air within the system in free circulation and movement; to prevent with a margin of safety, unequal air pressures of such force as might blow, siphon or affect trap seals or retard the discharge from plumbing fixtures or permit sewer air to escape into the building; to prohibit cross connection, contamination or pollution of the potable water supply and distribution systems; and to provide an adequate supply of water to properly serve, cleanse and operate all fixtures, equipment, appurtenances and appliances served by the plumbing system.

(Code 1982, § 15.02; Ord 1421 4/28/20)

Sec. 16-03. Plumbing Inspector.

- (1) *Appointment, term, and compensation.* The City of Marshfield Common Council pursuant to [145.05](#) Wis. Stats. Shall appoint one or more plumbing inspectors who shall be employed under the City of Marshfield system of personnel management for an indefinite term. The plumbing inspector shall be a licensed plumber pursuant to [SPS 305.625](#).

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(2) *Duties and authority.* Duties and authority of the plumbing inspector shall be as follows:

- (a) *General.* The plumbing inspector shall enforce all provisions of this chapter and all other state and city provisions relating to the construction, installation, alteration and repair of all plumbing within the city and shall make such inspections, perform such tests and issue such orders as may be necessary for such enforcement. The plumbing inspector or his authorized agent shall issue citations enforcing this chapter and for nuisances under chapter 11 of this Code in the Marshfield Municipal Court.
- (b) *Authority to enter premises.* The plumbing inspector shall have the authority to enter premises as follows:
 1. In the discharge of his duties, the plumbing inspector or his authorized agent may enter any building, upon presentation of the proper credentials, during reasonable hours for the purpose of inspection and may require the production of any permit or license required under this chapter. No person shall interfere with the inspector or his authorized agent while in the performance of his duties; and any person so interfering shall be in violation of this chapter and subject to a penalty as provided by section 16-06 of this chapter.
 2. If consent of entry to personal or real properties which are not public buildings, or to portions of public buildings which are not open to the public, for inspection purposes has been denied, the plumbing inspector shall obtain a special inspection warrant under § [66.0119\(3\) Wis. Stats.](#)
- (c) *Records and reports.* The plumbing inspector shall keep records and make reports as follows:
 1. *To the Department of Safety and Professional Services.* The plumbing inspector shall make such reports to the Department of Safety and Professional Services as required by the Department.
 2. *Record of special locations.* The plumbing inspector shall keep a record of all sanitary sewer and water service connections and other data necessary for the efficient operation of his office.
- (d) *Stop work orders.* The plumbing inspector may order work stopped on the construction, installation, alteration or repair of plumbing when such work is being done in violation of this chapter. Work so stopped shall not be resumed except with written permission of the plumbing inspector, provided if the stop work order is an oral order, it shall be followed by a written order within a reasonable period of time.

(Code 1982, § 15.03; Ord. No. 998, § 2, 10-27-2003; Ord. No. 1031, § 4, 10-12-2004; Ord. No. 1431 4/28/20)

Sec. 16-04. Issuance of Plumbing Permits and Inspection.

- (1) *Required.* No work contemplated by this chapter shall be started until a permit therefor has been obtained from the plumbing inspector or his authorized agent, provided no permit shall be required for minor repairs to faucets or the removal of stoppages in waste and drainage pipes. Failure to obtain a plumbing permit prior to the commencement of the work shall result in a double permit fee, except for emergency work. Where, in the case of emergency work, a permit shall be taken out within 48 hours after the work was performed.
 - (a) *Applications and Permits.* The plumbing inspector shall receive applications, review plumbing plans and issue permits for the installation, alteration or repair of the plumbing, inspect the premises for which such permits have been issued and enforce compliance with the provisions of this chapter. The plumbing inspector may, upon notice, suspend or revoke such permit for violation of the provisions of this chapter.

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- (b) *Restrictions on issuance.* Restrictions on issuance of the plumbing permit are as follows:
1. No plumbing permit shall be issued to any person or contractor who is in violation of this chapter until such violation has been corrected.
 2. No plumbing permit shall be issued to any person or contractor against whom an order issued by the plumbing inspector is pending, provided this restriction may be waived by the plumbing inspector.
- (c) *Appeals for failure to issue, suspension and revocation.* Any person directly interested who is aggrieved by the decision of the plumbing inspector to refuse to issue a permit or to suspend or revoke such permit or to order work stopped under section 16-03(2)(d) of this Code, may within ten days, appeal such decision to the state plumbing inspector, whose decision shall govern.
- (d) *Fees.* Fees shall be as stated in the City of Marshfield Fee Schedule, as established by the Common Council and shall be on file in the office of the City Clerk.
- (e) *Inspections.* The person or contractor who is listed as the permit holder shall be responsible for the installation. The scheduling of inspections is the responsibility of the permit holder. Testing and inspections shall be done in accordance with [SPS 382.21](#).

(Code 1982, § 15.04; Ord. No. 970, § 1, 1-28-2003; Ord. No. 1038, § 1, 1-11-2005; Ord. No. 1324, 12/8/15; Ord 1431, 4/28/20)

Sec. 16-05. Plumbers to be Licensed.

All plumbing work shall be done only by a plumber licensed under [Chapter 145.06](#) Wis. Stats for such work, provided a property owner may make repairs or installations in a single-family building owned and occupied by him/her at his/her home if a permit therefor is issued and work is done in compliance with the provisions of this chapter.

(Code 1982, § 15.05; Ord 1431, 4/28/20)

Sec. 16-06. Penalty.

Any person who shall violate any provision of this chapter or any regulation, rule or order made under this chapter shall be subject to a penalty as provided in section 1-05 of this Code.

(Code 1982, § 15.15; Ord 1431/4/28/20)

Secs. 16-7—16-20. Reserved.

Article II. Plumbing Installation

Sec. 16-21. Water Service Materials and Depth.

- (1) All water services and private water mains laid underground, from the city water main to the curb valve, shall be either of type K copper tubing or poly wrapped AWWA C151 Class 52 Ductile Iron. If any other material approved in [SPS 384.30](#) is requested to be used from the city water main to the curb valve, it must be approved prior to installation by Marshfield Utilities. After the curb valve, any approved material may be used as provided in [SPS 384.30](#).
- (2) All water services from the city water main to the lot line shall be laid in accordance with the provisions of section 16-24 (5), (6), (7) and (8) of this chapter.

(Code 1982, § 15.07; Ord. No. 998, § 3, 10-27-2003; Ord 1431, 4/28/20)

Sec. 16-22. Unsanitary Installations.

The plumbing inspector shall report to the Development Services supervisor all instances where the plumbing in any building is contrary to the ordinances of the city, or is of faulty construction and liable to breed disease or sickness or is a menace to health. Upon complaint made to the plumbing inspector or Development Services supervisor by any person, the Development Services supervisor shall direct the plumbing inspector to examine all the plumbing in the building and report his findings, in writing, to the Development Services supervisor, suggesting such changes as are necessary to put the plumbing in the proper sanitary condition. The Development Services supervisor thereupon shall direct such changes to be made as he deems necessary and fix a time for doing the work.

(Code 1982, § 15.10; Ord 1431, 4/28/20)

Sec. 16-23. Sump Pump Piping.

Sump pump discharge piping located with-in a structure shall be of approved material in [SPS 384.30 Table 384.30-5](#). The discharge shall terminate not less than 12 inches beyond the exterior of the structure. Flexible discharge piping may be used only on the exterior of a structure. This section shall apply to all new and existing sump pump installations.

(Code 1982, § 15.12; Ord 1431, 4/28/20)

Sec. 16-24. Sanitary Sewer Connections.

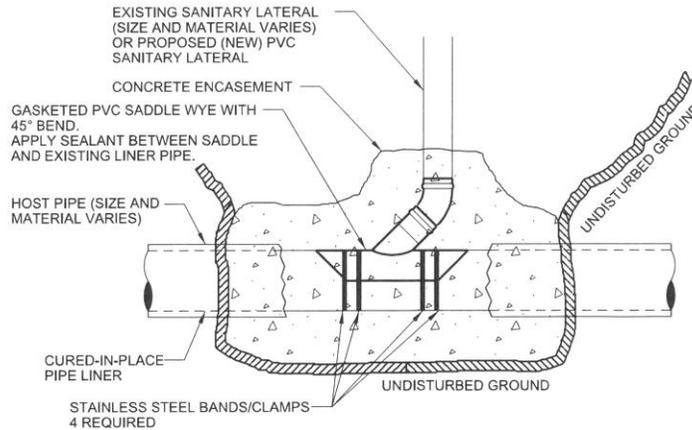
- (1) A sanitary sewer lateral and connection to the City sanitary sewer main shall be the responsibility of the property owner for which they serve. Where there is an existing riser connected to the sanitary sewer main, an exception to the responsibility of the connection where a riser is installed may be made by an inspection team consisting of the City Plumbing Inspector, Wastewater Superintendent, and Director of Public Works.
- (2) Where WYE or TEE openings are provided in sanitary sewer mains, private sanitary sewer laterals shall be connected to such openings by a licensed plumber. Public works shall be responsible for keeping the necessary records for the location of these openings and shall furnish a copy of such records to the plumbing inspector for the use of permit holders.
- (3) Where no WYE or TEE opening has been provided, the connection must be installed with a watertight sealed saddle fitting. A portion of the sanitary sewer main may also be removed and a PVC WYE or TEE section may be reinstalled with mechanical compression type joints, installed in accordance with

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manufacturer's instructions and conforming with [SPS 382.40](#). These connections must be bedded at least six inches below and shaped around the pipe with chipped stone (1/2" minus).

- (4) New or replacement sanitary sewer laterals connecting to an existing lined sanitary sewer main shall be installed in accordance with Figures 16-24-1 or 16-24-2 of this chapter.
- (5) Sanitary sewer laterals from the city sanitary sewer main to the property line shall be laid in accordance with [SPS 382.30](#), Table SPS 382.30-3. Provided, that in the event the depth of the sanitary sewer main is greater than eight feet, a riser may be used to obtain the eight-foot depth.
- (6) All sanitary sewer laterals, private interceptor main sewers, water services and private water mains shall be protected from frost in accordance with [SPS 382.30\(11\)\(c\)](#) and [382.40\(8\)\(a\)](#). Figure 382.30-1, Table 382.30-5, Table 382.30-6 and Table 382.30-7.
- (7) All excavation necessary for the construction of sanitary sewer laterals shall be made by the permit holder. Excavations which are to be entered by city employees must be protected in conformity with the "29 CFR, Part 1926, OSHA, Subpart P, Excavations and Trenches".
- (8) The connections provided for in this section shall be made only under the supervision of the plumbing inspector, or some other city officer designated by him, and shall be left open by the permittee until approved by such official. Only the city engineer may grant a variance or exception to the provisions of this section, and then only for reasons of adverse soil conditions or the presence of other utilities.

FIGURE 16-24-1



ELEVATION/PROFILE VIEW

**SADDLE WYE INSTALLED ON
EXISTING LINED SANITARY SEWER MAIN**

WORK REQUIRED

CAREFULLY REMOVE THE HOST PIPE FROM THE LINER PIPE. EXPOSE LINER PIPE TO AT LEAST 6-INCHES FROM THE SADDLE AND CLAMPS. REMOVE ENTIRE CIRCUMFERENCE OF HOST PIPE (ALL AROUND THE PIPE). DO NOT DAMAGE/MAR LINER PIPE.

MARK PROPOSED HOLE FOR NEW SADDLE ON THE LINER PIPE, CENTERED ON EXISTING HOLE/DIMPLE (EXISTING LATERAL). PROPOSED HOLE SHALL BE THE SAME SIZE AND SHAPE AS THE HOLE IN THE SADDLE.

REMOVE IRREGULARITIES IN/ON THE SURFACE OF THE LINER NEAR THE SADDLE. THIS SURFACE SHALL BE SMOOTH SUCH THAT A LEAK-FREE SEAL TO THE SADDLE CAN BE ACCOMPLISHED.

SAW HOLE IN LINER PIPE USING HOLE/JIG SAW. HOLE MUST BE CLEANLY SAWED. FILE THE HOLE AND ALL EDGES AROUND THE HOLE.

INSTALL SADDLE WYE ONTO THE LINER PIPE. THE HOLE IN THE SADDLE SHALL BE ALIGNED WITH THE HOLE IN PIPE. APPLY ENTIRE TUBE OF SEALANT TO SADDLE/LINER CONNECTION. FASTEN SADDLE TO LINER USING 4 STAINLESS STEEL TYPE CLAMPS. WIPE AWAY ALL EXCESS SEALANT FROM THE INSIDE OF THE SADDLE WYE AND LINER PIPE.

ENCASE THE SADDLE, EXPOSED LINER PIPE AND AT LEAST 6-INCHES OF HOST PIPE IN CONCRETE. THICKNESS OF CONCRETE SHALL BE 6-INCHES MINIMUM, AND SHALL COMPLETELY ENCASE THE BRANCH OF THE WYE AND THE 45° BEND, FOR EITHER HORIZONTAL RUNS OR VERTICAL RISERS. EXTEND CONCRETE ENCASEMENT TO COVER DEFECTS IN THE HOST PIPE (CRACKS, ETC.). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED GROUND UNDER ALL EXPOSED MAIN/HOST PIPE AND SHALL COMPLETELY FILL THE VOID UNDER SAID EXISTING MAIN.

VOIDS ALONGSIDE OF THE CONCRETE ENCASED MAINLINE PIPE SHALL BE FILLED USING CHIPPED STONE BEDDING/COVER MATERIAL (APPROVED FOR SANITARY SEWERS). COVER THE REMAINDER OF EXCAVATION WITH SAID STONE MATERIAL TO A POINT 2-FEET ABOVE THE CONCRETE ENCASEMENT.

WATER-TIGHT CONNECTIONS WILL BE VERIFIED BY MAINLINE TELEVISION BY THE CITY. LEAKING CONNECTIONS SHALL BE REMEDIED BY THE CONTRACTOR (INCIDENTAL). LEAKS SHALL BE ELIMINATED BY PRESSURE GROUTING FROM WITHIN THE MAIN. THE ENGINEER SHALL APPROVE THE MATERIALS/SUBCONTRACTOR FOR SAID REMEDY PRIOR TO USE.

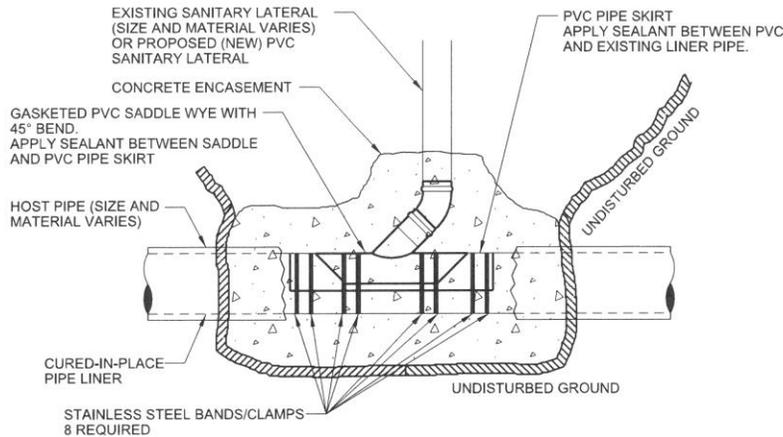
MATERIALS

SADDLE WYES SHALL BE AS MANUFACTURED BY GPK PRODUCTS, INC., OR APPROVED EQUAL; AND SHALL INCLUDE GASKETED BRANCH, GASKETED SKIRT W/STRAPS, 4-INCH OR 6-INCH X NOMINAL DIAMETER OF THE MAIN.

SEALANT TO BE "PTI-707 ARCHITECTURAL SEALANT" AS MANUFACTURED BY H.B. FULLER CO., OR DAP BUTYL-FLEX RUBBER GUTTER AND FLASHING SEALANT, OR APPROVED EQUAL. (ONE STANDARD 14 OZ CAULK GUN TYPE TUBE IS REQUIRED FOR EACH SADDLE)

CONCRETE TO BE A QUALITY MIX, FROM A READY MIX PLANT OR PROPERLY MIXED ON-SITE (3/8" MINUS AGGREGATE IS ACCEPTABLE). MIX MUST BE 6-BAG/GRADE A AS A MINIMUM AND CAPABLE OF ACHIEVING 4,000 PSI STRENGTH. SLUMP SHALL NOT EXCEED 3-INCH.

FIGURE 16-24-2



ELEVATION/PROFILE VIEW

PVC PIPE SKIRT FOR OVERSIZED LINER HOLE REPAIR OR ABANDON CUT OUT EXISTING LINED SANITARY SEWER MAIN

WORK REQUIRED - OVERSIZED HOLE REPAIR

IF THE EXISTING CUT-OUT HOLE IN THE LINER IS TOO LARGE (SADDLE WYE GASKET DOES NOT SURROUND HOLE / CONTACT LINER FOR FULL CIRCUMFERENCE) THEN DO THE FOLLOWING:

HOLE MUST BE CLEANLY SAWED. FILE THE HOLE AND ALL EDGES AROUND THE HOLE.

CUT / FABRICATE PVC PIPE SKIRT AS SHOWN. PVC PIPE SKIRT MUST BE 12 INCHES LONGER (TOTAL) THAN THE SADDLE WYE SKIRT, AND CIRCUMFERENTIALLY 1-INCH MORE THAN HALF PIPE.

PVC PIPE SKIRT SHALL BE FABRICATED FROM SDR 35 SEWER PIPE (PER ASTM D-3034)

SEAL PVC PIPE SKIRT USING FULL TUBE OF SEALANT. SEALANT TO BE "PTI-707 ARCHITECTURAL SEALANT" AS MANUFACTURED BY H.B. FULLER CO. OR DAP BUTYL-FLEX RUBBER GUTTER AND FLASHING SEALANT, OR APPROVED EQUAL.

SECURE PVC PIPE SKIRT USING (4) STAINLESS STEEL BANDS/CLAMPS (2) AT EACH END, AS SHOWN)

INSTALL SADDLE WYE AS SHOWN / DISCUSSED HEREIN.

WORK REQUIRED - ABANDON CUT-OUT

TO SEAL OR ABANDON A LATERAL CONNECTED TO A LINER, DO ALL WORK AS LISTED ABOVE (FOR SADDLE WYE, OVERSIZE HOLE REPAIR, ETC) EXCEPT:

LENGTH OF PVC PIPE SKIRT SHALL BE 12-INCHES LONGER THAN THE PREPARED HOLE.

DO NOT CUT A HOLE IN THE PVC PIPE SKIRT.

USE (4) STAINLESS STEEL BANDS / CLAMPS EQUALLY SPACED.

ENCASE (CONCRETE), COVER, BACKFILL / COMPACT AS DESCRIBED.

MATERIALS

SADDLE WYES SHALL BE AS MANUFACTURED BY GPK PRODUCTS, INC., OR APPROVED EQUAL; AND SHALL INCLUDE GASKETED BRANCH, GASKETED SKIRT W/STRAPS, 4-INCH OR 6-INCH X NOMINAL DIAMETER OF THE MAIN.

SEALANT TO BE "PTI-707 ARCHITECTURAL SEALANT" AS MANUFACTURED BY H.B. FULLER CO., OR DAP BUTYL-FLEX RUBBER GUTTER AND FLASHING SEALANT, OR APPROVED EQUAL. (ONE STANDARD 14 OZ CAULK GUN TYPE TUBE IS REQUIRED FOR EACH SADDLE)

CONCRETE TO BE A QUALITY MIX, FROM A READY MIX PLANT OR PROPERLY MIXED ON-SITE (3/8" MINUS AGGREGATE IS ACCEPTABLE). MIX MUST BE 6-BAG/GRADE A AS A MINIMUM AND CAPABLE OF ACHIEVING 4,000 PSI STRENGTH. SLUMP SHALL NOT EXCEED 3-INCH.

Sec. 16-25. Cross Connection Control.

- (1) *Definition.* A cross connection shall be defined as any physical connection or arrangement between two otherwise separate systems, one of which contains potable water from the City of Marshfield water system, and the other, water from a private source, water of unknown or questionable safety, or steam, gases or chemicals, whereby there may be a flow from one system to the other, the direction of flow depending on the pressure differential between the two systems.
- (2) *Cross connection prohibited.* No person shall establish or permit to be established or maintain or permit to be maintained any cross connection. No interconnection shall be established whereby potable water from a private, auxiliary or emergency water supply other than the regular public water supply of the City of Marshfield may enter the supply or distribution system of the municipality, unless such private, auxiliary or emergency water supply and the method of connection and use of such supply shall have been approved by Marshfield Utilities and by the Wisconsin Department of Natural Resources in accordance with section [NR 810.15\(2\)](#) Wisconsin Administrative Code.
- (3) *Inspection.* It shall be the duty of the city plumbing inspector to cause inspections to be made of all properties served by the public water systems where cross connections with the public water system are deemed possible. The frequency of inspections and re-inspections based on potential health hazards involved shall be as established by the city plumbing inspector and as approved by the Wisconsin Department of Natural Resources.
- (4) *Right of entry for inspection.* Upon presentation of credentials, the representative of the city plumbing inspector's office shall have the right to request entry at any reasonable time to examine any property served by a connection to the public water system of the City of Marshfield for cross connections. If entry is refused, such representative shall obtain a special inspection warrant under [Chapter 66.0119](#) Wis. Stats. On request the owner, lessee or occupant of any property so served shall furnish to the inspection agency any pertinent information regarding the piping system on such property.
- (5) *Discontinuance of water service.* Marshfield Utilities is hereby authorized and directed to discontinue water service to any property wherein any connection in violation of this section exists, and to take such other precautionary measures deemed necessary to eliminate any danger of contamination of the public water system. Water service shall be discontinued only after reasonable notice and opportunity for hearing under [Chapter 68](#) Wis. Stats, except as provided in subsection (6) of this section. Water service to such property shall not be restored until the cross connection has been eliminated in compliance with the provisions of this section.
- (6) *Emergency discontinuance of service.* If it is determined by Marshfield Utilities that a cross connection or an emergency endangers public health, safety or welfare and requires immediate action, and a written finding to that effect is filed with the clerk of the City of Marshfield and a copy delivered to the customer's premises, service may be immediately discontinued. The customer shall have an opportunity for hearing under [Chapter 68](#) Wis. Stats, within ten days of such emergency discontinuance.
- (7) *Saving clause.* Nothing contained in this section shall be construed as conflicting with the state plumbing code adopted by this chapter by reference or the other provisions of this chapter, but shall be considered supplementary thereto.

(Code 1982, § 15.11, Ord 1431, 4/28/20)

Sec. 16-26. Construction of Sanitary Sewer Laterals.

- (1) All new gravity flow sanitary sewer laterals constructed within the city shall be four-inch (4") minimum in size, and shall be made out of, PVC plastic, meeting ASTM D1785, ASTM D2665, or ASTM D3034 standards
- (2) The term "sanitary sewer lateral" as used in this section shall mean any drain used for transmitting sewage from outside of any foundation or other wall to the sanitary sewer main.

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- (3) Each buildable lot shall have a separate sanitary sewer lateral connected directly to a public sanitary sewer main constructed in the street right-of-way adjacent to the buildable lot.
- (4) Sanitary sewer laterals shall not be connected into manholes unless approved by the city engineer.

(Code 1982, § 15.09; Ord. No. 998, § 4, 5, 10-27-2003; Ord 1431, 2/28/20)

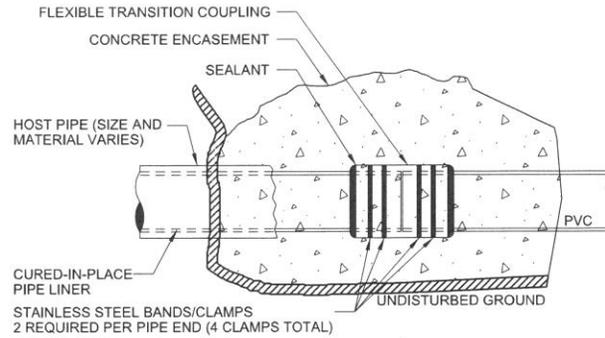
Sec. 16-27. Sanitary Sewer Lateral Repair/Replacement/Abandonment.

- (1) *CIPP lined lateral.* A sanitary sewer lateral that is CIPP lined from the building foundation to the sanitary sewer main shall be considered as a full replacement of said lateral.
- (2) *Detecting problems.* All wastewater treatment personnel and public works personnel shall notify their supervisors whenever a possible broken sanitary sewer lateral or broken sanitary sewer main is detected. This shall include, but not be limited to, any unusual depressions in front yards, ditches or roadways, and to city crews operating the sewer television equipment and sewer cleaning equipment. The supervisors shall notify the city plumbing inspector of the possible problem.
- (3) *Inspection of possible problems and testing.* The plumbing inspector shall inspect the site and shall conduct any necessary tests to verify clear water infiltration into the city sanitary sewer main. The plumbing inspector shall enlist the aid of wastewater treatment personnel or street division personnel to conduct any tests he deems necessary to verify clear water infiltration. Testing methods may include dye testing, smoke testing or visual inspections as deemed necessary. Clear water infiltration shall be verified by an inspection team of city employees, consisting of the plumbing inspector, wastewater superintendent and the assistant street superintendent.
- (4) *Orders to the property owner.* Orders to the property owner shall be given as follows:
 - (a) Upon verification of clear water infiltration into the sanitary sewer main, the plumbing inspector shall issue an order to the property owner to replace or repair the lateral within a reasonable period of time. The owner shall contract with licensed personnel of his/her choice to replace or repair the lateral. The owner or contractor shall obtain a plumbing permit and notify the plumbing inspector when the excavation will commence. The plumbing inspector shall be at the job site at the time the replacement or repair is being made. The lateral shall be replaced for the entire length from the location of the break to the city sanitary sewer main located in the street right-of-way, unless it is constructed of PVC/ABS plastic or CIPP lined in good condition. With PVC/ABS plastic or CIPP lined sanitary sewer lateral in good condition, a spot repair may be allowed. A spot repair to a CIPP lined sanitary sewer lateral shall be done in accordance with Figure 16-27-1 of this chapter.
 - (b) Prior to or at the time of replacement of a lateral, the plumbing inspector and wastewater treatment plant personnel shall inspect the remainder of the lateral from the break to the building being served. If the inspection determines it to be necessary, orders shall be issued to the property owner to replace the remainder of the lateral from the break to the building being served.

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- (5) *Determination of responsibility and payment of repairs.* Determination of responsibility and payment of repairs shall be in accordance with the following:
- (a) If the inspection team has determined that the city sanitary sewer main is sound and that the sanitary sewer lateral must be replaced, the plumbing inspector shall so notify the owner and advise him/her that all expenses regarding such replacement are his/hers before the actual replacement is made.
 - (b) If, in the opinion of the inspection team, the city sanitary sewer main or riser is broken or faulty, the City shall repair or replace said sanitary sewer main or riser and cover all costs.
 - (c) If the inspection team determines that all clear water infiltration is totally due to a faulty sanitary sewer main, the plumbing inspector shall so notify the owner of the property and shall notify the owner that the expenses shall be paid for by the city.
 - (d) Determination of fault and partial fault shall be decided jointly with the City Plumbing Inspector, Director of Public Works and Wastewater Superintendent. Such determinations shall be in writing with copies to the property owner and if requested, to the proper city committees, and the board of public works.
 - (e) The Wastewater Division shall be responsible for all street and/or sidewalk repair costs associated with a replacement of a sanitary sewer lateral. If the replacement occurs within two (2) years after a street project is completed, the Wastewater Division may not be responsible for the costs to repair the street and/or sidewalk.
- (6) *Sanitary sewer lateral abandonment.* Procedures for abandonment of a sanitary sewer lateral shall be as follows:
- (a) Any sanitary sewer lateral shall be considered abandoned if a building which it serves is being moved or razed. Prior to any building being moved or razed, any floor drain, drain stack or cleanouts connected to the sanitary sewer lateral shall have a temporary approved plug or cap installed in it. All abandoned sanitary sewer laterals must be properly capped at the sanitary sewer main by the property owner with-in 30 days of the razing or removal of the building. Only PVC/ABS plastic sanitary sewer laterals in good condition can be used for new development on a property where a building has been moved or razed.
 - (b) An exception to the 30-day completion requirement shall be made for the time period of December 1 to April 15 of the following year and/or for the time period when a roadway is posted for "weight limits." The work shall be scheduled with-in 30 days after the limitations have been lifted. During these exception time periods, the lateral for the razed/moved building must be temporarily capped as approved by the plumbing inspector.
- (7) *Contractor/Utility caused damage.* The plumbing inspector, upon verification, shall determine the cause of a damaged or broken sanitary sewer lateral. The plumbing inspector may enlist the aid of wastewater personnel to assist in determining the cause. If the damage or break was caused from excavation, boring, or drilling, the Contractor/Utility doing the excavation, boring or drilling shall be responsible for the repair/replacement of the sanitary sewer lateral and all costs associated with such repairs. If the sanitary sewer material is other than PVC/ABS plastic or CIPP lined, it shall be replaced from the break/damage point to the sanitary sewer main, including the connection to the sanitary sewer main. If the break/damage point is located with-in the street/road right-of-way, it shall be replaced from the sanitary sewer main, including the connection to the sanitary sewer main, to beyond the curb or road surface area. If the material is PVC/ABS plastic or CIPP lined then a spot repair is allowed. A spot repair to a CIPP lined sanitary sewer lateral shall be done in accordance with Figure 16-27-1 of this chapter.

FIGURE 16-27-1



ELEVATION/PROFILE VIEW

**CONNECT TO AND SPOT REPAIR OF
EXISTING LINED SANITARY SEWER LATERAL**

WORK REQUIRED

CAREFULLY REMOVE THE HOST PIPE FROM THE LINER PIPE. EXPOSE AT LEAST 12-INCHES OF LINER PIPE. REMOVE ENTIRE CIRCUMFERENCE OF HOST PIPE (ALL AROUND THE PIPE). DO NOT DAMAGE/MAR/CUT LINER PIPE.

REMOVE IRREGULARITIES IN/ON THE SURFACE OF THE LINER PIPE NEAR THE CONNECTION. THIS SURFACE SHALL BE SMOOTH SUCH THAT A LEAK-FREE SEAL CAN BE ACCOMPLISHED.

INSTALL THE FLEXIBLE TRANSITION COUPLING ONTO THE LINER PIPE. APPLY SEALANT TO THE EXTERIOR JOINT CONNECTION. SECURE COUPLING TO THE LINER USING 2 STAINLESS STEEL TYPE CLAMPS.

BLOCK/SUPPORT PIPE TO STABILIZE AND ACHIEVE PROPER SLOPE.

FLOWLINES SHALL BE ALIGNED, WITHOUT OFFSET BETWEEN THE LINER AND PVC PIPE. REMOVE SHARP EDGES ON THE INSIDE OF THE UPSTREAM PIPE AND BEVEL (1/4") THE INSIDE EDGES OF THE DOWNSTREAM PIPE.

ENCASE THE EXPOSED LINER PIPE AND AT LEAST 6-INCHES OF HOST PIPE IN CONCRETE. THICKNESS OF CONCRETE SHALL BE 6-INCHES MINIMUM, AND SHALL COMPLETELY ENCASE THE LENGTH AND CIRCUMFERENCE. EXTEND CONCRETE ENCASEMENT TO COVER DEFECTS IN THE HOST PIPE (CRACKS, ETC.). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED GROUND UNDER ALL EXPOSED LATERAL/HOST PIPE AND SHALL COMPLETELY FILL THE VOID UNDER SAID EXISTING LATERAL.

VOIDS ALONGSIDE OF THE CONCRETE ENCASED LATERAL PIPE SHALL BE FILLED USING CHIPPED STONE BEDDING/COVER MATERIAL (APPROVED FOR SANITARY SEWERS). COVER THE REMAINDER OF EXCAVATION WITH SAID STONE MATERIAL TO A POINT 2-FEET ABOVE THE CONCRETE ENCASEMENT.

WATERTIGHT CONNECTIONS WILL BE VERIFIED BY INSPECTION AND/OR TELEVISION BY THE CITY. LEAKING OR OFFSET CONNECTIONS SHALL BE REMEDIED BY THE CONTRACTOR / INSTALLER / PLUMBER. THE CITY ENGINEER SHALL APPROVE THE MATERIALS/SUBCONTRACTOR FOR SAID REMEDY PRIOR TO USE.

MATERIALS

FLEXIBLE TRANSITION COUPLINGS SHALL BE "STRONG BACK RC COUPLINGS" AS MANUFACTURED BY FERNCO INC. OR APPROVED EQUAL. CONTRACTOR SHALL VERIFY THE SIZE/OUTSIDE DIAMETER OF THE EXISTING CIPP LINER PIPE AS THIS DIMENSION MAY VARY. CONFIRM PART NO.S WITH MANUFACTURER PRIOR TO ORDERING.

SEALANT TO BE "PTI-707 ARCHITECTURAL SEALANT" AS MANUFACTURED BY H.B. FULLER CO. OR DAP BUTYL-FLEX RUBBER GUTTER AND FLASHING SEALANT, OR APPROVED EQUAL.

CONCRETE TO BE A QUALITY MIX, FROM A READY MIX PLANT OR PROPERLY MIXED ON-SITE (3/8" MINUS AGGREGATE IS ACCEPTABLE). MIX MUST BE 6-BAG/GRADE A AS A MINIMUM AND CAPABLE OF ACHIEVING 4,000 PSI STRENGTH. SLUMP SHALL NOT EXCEED 3-INCH.

(Code 1982, § 15.091; Ord 1431, 4/28/20)

Secs. 16-28—16-40. Reserved.

Article III. Wells

Sec. 16-41. Purpose.

The purpose of this article is to protect the public health, safety and welfare and to prevent contamination of groundwater by assuring that unused, unsafe or noncomplying wells or wells which may act as conduits for contamination of groundwater or wells which may be illegally cross-connected to the municipal water system are properly maintained or abandoned.

(Code 1982, § 15.13(1); Ord 1431 4/28/20)

Sec. 16-42. Applicability.

This article applies to all wells located on premises served by the Marshfield Utilities municipal water system. Marshfield Utilities customers outside the jurisdiction of the municipal system may be required under contract agreement or utility rule to secure the adoption and enforcement of equivalent ordinances within their jurisdictions for the purpose stated in Section 16-41 above.

(Code 1982, § 15.13(2); Ord 1431 4/28/20)

Sec. 16-43. Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Municipal water system means a community water system owned by a city, village, county, town, town sanitary district, utility district, public inland take and rehabilitation district, municipal water district or a federal, state, county, or municipal owned institution for congregate care or correction, or a privately owned water utility serving the foregoing.

Noncomplying means a well or pump installation which does not comply with [NR 812.42](#), Wisconsin Administrative Code, Standards for Existing Installations, and which has not been granted a variance pursuant to [NR 812.43](#), Wisconsin Administrative Code.

Pump installation means the pump and related equipment used for withdrawing water from a well including the discharging piping, the underground connections, pitless adapters, pressure tanks, pits, sampling faucets and well seals or caps.

Unsafe means a well or pump installation which produces water which is bacteriologically contaminated or contaminated with substances which exceed the drinking water standards of [NR 140](#) or [NR 809](#) Wisconsin Administrative Code, or for which a Health Advisory has been issued by the Department of Natural Resources.

Unused well or pump installation means one which is not in use or does not have a functional pumping system.

Well means a drillhole or other excavation or opening deeper than it is wide that extends more than 10 feet below the ground surface constructed for the purpose of obtaining groundwater.

Well abandonment means the proper filling and sealing of a well according to the provisions of [NR 812](#) and [NR 26](#) Wisconsin Administrative Code.

(Code 1982, § 15.13(3) ORD 1367, 12/12/17; Ord 1431 4/28/20)

Sec. 16-44. Abandonment Required.

All wells located on premises served by the municipal water system shall be properly abandoned, in accordance with Section 16-46 of this code, not later than 90 days from the date of connection to the municipal water system unless a valid well operation permit has been issued to the well owner by Marshfield Utilities under terms of Section 16-45 of this chapter.

(Code 1982, § 15.13(4); Ord. No. 1044, § 1, 2-22-2005; ORD 1367 12/12/17; Ord 1431, 4/28/20)

Sec. 16-45. Well Operation Permit.

- (1) Owners of wells on premises served by the municipal water system wishing to retain their wells for any use shall make application for a well operation permit for each well no later than 90 days after connection to the municipal water system. Marshfield Utilities may grant a permit to a private well owner to operate a well for a period of five years providing all conditions of this article are met. A well operation permit may be renewed by submitting information verifying that the conditions of this section are met. Marshfield Utilities or its agent may conduct inspections or have water quality tests conducted at the applicant's expense to obtain or verify information necessary for consideration of a permit application or renewal. Permit applications and renewals shall be made on forms provided Marshfield Utilities. All initial and renewal applications must be accompanied by a fee established by Marshfield Utilities.

The following conditions must be met for issuance or renewal of well operation permit:

- (a) The well water supply or system installation shall meet the Standards for Existing Installations described in [NR 812.42](#), Wisconsin Administrative Code. The well water supply or system shall be evaluated by a licensed well driller or pump installer and certified on the NR 812 Compliance Report Form 3300-305 to comply with [NR 812.42](#), prior to issuing the initial permit and once every 10 years thereafter. Every other permit cycle the pump will be inspected by said licensed well driller or pump installer. NOTE: For purposes of this ordinance, "well water supply or system" shall be defined as sources, wells, pumps, piping, and intake/storage devices from which well water is supplied.
- (b) The well water supply or system shall have a history of producing safe water evidences by at least 1 safe coliform bacteria sample with each permit application. In areas where the Department of Natural Resources has determined that groundwater aquifers are contaminated with substances other than bacteria, additional chemical tests may be required to document the safety of the water.
- (c) There shall be no cross-connections between the well's pump installation or distribution piping and the municipal water system. This shall be verified by a licensed well driller, pump installer licensed plumber or the city plumbing inspector at the time of the original permit, and then every 5 years in connection with the re-issuance of the permit.
- (d) The water from the private well shall not discharge into a drain leading directly to a public sanitary sewer unless properly metered and authorized by the Wastewater Division. This shall be verified by the city plumbing inspector at the time of the original permit, and then every 5 years in connection with the re-issuance of the permit.
- (e) The private well shall have a functional pumping system.
- (f) The proposed use of the private well shall be justified as reasonable in addition to water provided by the municipal water system.

(Code 1982, § 15.13(5) ORD 1367 12/12/1; Ord 1431, 4/28/20)

Sec. 16-46. Abandonment Procedures.

Procedures for abandonment shall be as follows:

- (1) All wells abandoned under the jurisdiction of this ordinance shall be done by a registered water well drilling or pump installing business or licensed water well driller or pump installer in accordance with the procedures and methods of the [NR 812.26](#) Wisconsin Administrative Code. All debris, pump, piping, unsealed liners and any other obstructions which may interfere with sealing operations shall be removed prior to abandonment.
- (2) The owner of the well, or the owner's agent, shall notify the Water Manager at least 48 hours prior to any well abandonment activities. The abandonment of the well may be observed or verified by personnel of the municipal system.
- (3) An abandonment report form, supplied by the Department of Natural Resources, shall be submitted to the Water Manager and the Department of Natural Resources within 30 days of completion of the well abandonment. This form must be completed by the licensed well driller or pump installer performing the abandonment.
- (4) Once Marshfield Utilities becomes aware that a well has been previously abandoned, verification of the abandonment must be provided by a licensed well driller or pump installer at the well owner's expense.

(Ord 1431, 4/28/20)

Sec. 16-47. Penalties.

Any well owner violating any provision of this ordinance shall upon conviction be punished by forfeiture of not less than \$500.00 or more than \$15,000.00 and the cost of prosecution. Each day of violation is a separate offense. If any person fails to comply with this ordinance for more than 30 days after receiving written notice of the violation, the municipality may impose a penalty and cause the well abandonment to be performed and the expense to be assessed as a special tax against the property.

(ORD 1367, 12/12/17; Ord 1431, 4/28/20)